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(54) CEMENT CLINKER AND CEMENT COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a cement clinker having stable quality and a cement composition using the cement clinker in a cement clinker manufactured by using a large amount of coal ash as a raw material.

SOLUTION: This cement clinker is manufactured by using coal ash as a raw material and has a hydraulic modulus(H.M.) of 1.8-2.3, a silicate modulus(S. M.) of 1.3-2.3 and an iron modulus(I.M.) of 1.8-2.8. Gypsum is mixed with the cement clinker so that total amount of SO₃ is 2.0-10.0% and then the resultant mixture is pulverized/or they are separately pulverized and then mixed to obtain the cement composition. The cement composition, at least one kind of inorganic powder selected from the group consisting of blast furnace slag, fly-ash and limestone and optionally gypsum are mixed.

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